

Claim(s)

1. An electric wire for an electric rotating machine winding comprising:

5 a first conductor which is coated with resin, and of which diameter is A; and

a second conductor of a truncated cone-shape, which is formed at two ends of said coated electric wire, and of which diameter at both end portions is 90% to 50% as large as said A.

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2. A method for manufacturing an electric rotating machine winding comprising:

15 a forming step in which the electric wire for an electric rotating machine winding comprising: a first conductor which is coated with resin, and of which diameter is A; and a second conductor of a truncated cone-shape, which is formed at two ends of said coated electric wire, and of which diameter at both end portions is 90% to 50% as large as said A, is formed into a predetermined shape to form a single winding member;

20 an assembling step in which a plurality of said single winding members are aligned, and said second conductors of adjacent said single winding members are joined to each other to form a winding set member; and

25 a mounting step in which said winding set member is mounted on a stator of an electric rotating machine to form a stator winding;

said steps being implemented in said sequential order.

30 3. A manufacturing method of an electric wire for an electric rotating machine winding comprising:

a first conductor which is coated with resin, and of which diameter is A; and a second conductor of a truncated cone-shape, which is formed at two ends of said coated electric wire, and of which diameter at both end portions is 90% to 50% as large as said A,

an extension step in which a part of an electric wire including a first conductor, which is coated with resin and of which diameter is A, is extended to such a degree that a diameter thereof is 90% to 50% as large as said A at intervals of a predetermined length to form a second conductor; and said resin coating is stripped off; and

a cutting step in which said second conductor is cut substantially in the middle place in a longitudinal direction of said second conductor; and said resin coating, which has been stripped off, is removed.